IN THE CLAIMS

52. (Previously Presented) An apparatus comprising:

a firewall configured to operate in a personal computer, which is configured to operate with other computers connected to a network;

said personal computer including at least two microprocessors;

said firewall configured to deny access to at least a first microprocessor of said personal computer by at least one of said other computers of said network during a shared operation involving said personal computer and said at least one of said other computers of said network; and

said firewall configured to allow access to at least a second microprocessor of said personal computer by said at least one of said other computers during said shared operation.

53. (Previously Presented) The apparatus of claim 52, wherein:

said firewall is configured to deny access to at least a first microprocessor of said personal computer by said other computers of said other network during a shared operation involving said personal computer and at least one of said other computers of said network.

54. (Previously Presented) The apparatus of claim 53, wherein:

said firewall is configured to allow access to at least a second microprocessor of said personal computer by said other computers of said network during said shared operation.

55. (Currently Amended) ~~An apparatus comprising~~ The apparatus of claim 52, wherein:

~~a firewall configured to operate in a personal computer, which is configured to operate with other computers in a network;~~

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said personal computer includes ~~including at least two microprocessors and~~ at least

two memory hardware components;

said firewall is configured to deny access to ~~at least a first microprocessor and~~ at least

a first memory hardware component of said first personal computer by at least one of said

other computers during a shared operation involving said personal computer and at least one

of said other computers of said network; and

said firewall is configured to allow access to ~~at least a second microprocessor and~~ at

least a second memory hardware component of said personal computer by at least one of said

other computers of said network during said shared operation.

56. (Currently Amended) The apparatus of claim 55, wherein:

said firewall is configured to deny access to ~~at least a first microprocessor and~~ at least

a first memory hardware component of said personal computer by said other computers of

said network during a shared operation involving said personal computer and at least one of

said other computers of said network.

57. (Currently Amended) The apparatus of claim 56, wherein:

said firewall is configure to allow access to ~~at least a second microprocessor and~~ at

least a second memory hardware component of said personal computer by said other

computers of said network during said shared operation.

58. (Currently Amended) ~~An apparatus, comprising:~~

~~a firewall configured to operate in a personal computer, which is configured to~~

~~operate with other computers connected in a network;~~

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~~said personal computer including at least one microprocessor and at least two memory~~ ~~hardware components;~~

~~said firewall configured to deny access to at least a first memory hardware component~~ ~~of said personal computer by at least one of said other computers during a shared operation~~ ~~involving said personal computer and said at least one of said other computers of said~~ ~~network; and~~

~~said firewall configured to allow access to at least a second memory hardware~~ ~~component of said personal computer by said at least one of said other computers of said~~ ~~network during said shared operation.~~ The apparatus of claim 59, wherein said personal computer includes random access memory (RAM) located on said microchip.

59. (Currently Amended) The apparatus of claim [[58]] <u>83</u>, wherein:

~~said firewall is configured to deny access to at least a first memory hardware~~ ~~component of said personal computer by said other computers of said network during a~~ ~~shared operation involving said personal computer and at least one of said other computers of~~ ~~said network~~ <u>each of said two microprocessors is configured to include the capability of performing said shared operation as:</u>

<u>parallel processing that includes at least said two microprocessors; or</u>

<u>multitasking that includes at least said two microprocessors; or</u>

<u>both.</u>

60. (Currently Amended) The apparatus of claim [[59]] <u>52</u>, wherein:

~~said firewall is configured to allow access to at least a second memory hardware~~ ~~component of said personal computer by said other computers of said network during said~~

~~shared operation~~ each of said two microprocessors is configured to include the capability of performing said shared operation as:

parallel processing that includes at least said two microprocessors; or

multitasking that includes at least said two microprocessors;

or both.

61. (Currently Amended) The apparatus of claim [[59]] 55, wherein:

said firewall is configured to deny access to at least said second memory hardware component of said personal computer by a user of said personal computer during said shared operation.

62. (Currently Amended) The apparatus of claim [[59]] 55, wherein said first memory hardware component is accessible only by a user of said personal computer.

63. (Currently Amended) The apparatus of claim 59, wherein said personal computer microprocessor is able to be controlled by a user of said personal computer through operation of a wireless controller ~~by said user~~.

64. (Previously Presented) The apparatus of claim 59, wherein said access to said personal computer by said other computers of said network is controlled electromechanically.

65. (Currently Amended) The apparatus of claim 59, wherein a user of said personal computer preemptively ~~controls~~ is able to control access to said personal computer by said other computers of said network utilizing ~~through operation of a~~ manually activated ~~switch~~ switching of said personal computer.

66. (Currently Amended) The apparatus of claim [[59]] 65, wherein said manually activated switch is a keyboard of said personal computer.

67. (Currently Amended) The apparatus of claim [[59]] 52, wherein said firewall includes a hardware component is:

firmware; or

hardware; or

software; or

firmware; or

any combination of two or more thereof.

68. (Currently Amended) The apparatus of claim 59, wherein said firewall includes a software component. The apparatus of claim 59, wherein said firewall is:

hardware; or

software; or

firmware; or

any combination of two or more thereof.

69. (Currently Amended) The apparatus of claim 59, wherein said firewall includes a firmware component The apparatus of claim 60, wherein said firewall is:

hardware; or

software; or

firmware; or

any combination of two or more thereof.

70. (Currently Amended) The apparatus of claim 59, wherein said shared operation is able to be initiated by a user of said personal computer.

71. (Currently Amended) The apparatus of claim 59, wherein said shared operation is able to be initiated by ~~said~~ at least one of said other ~~computer~~ computers.

72. (Currently Amended) The apparatus of claim [[59]] 55, wherein said access is allowed to at least said second memory hardware component of said personal computer when said personal computer is idled by a user of said personal computer.

73. (Currently Amended) The apparatus of claim [[59]] 52, wherein said ~~firewall denies access at least temporarily to a microprocessor of said personal computer by at least one said other computer during shared operation~~ personal computer is connected in a wireless manner to said network.

74. (Currently Amended) The apparatus of claim 59, wherein said ~~firewall allows access at least temporarily to a microprocessor of said personal computer by at least one said other computer during shared operation~~ personal computer is connected in a wireless manner to said network.

75. (Currently Amended) The apparatus of claim [[59]] 55, wherein said first memory hardware component [[is]] includes:

a hard drive device; or

a flash memory device; or

a flash bios; or

any combination of two or more thereof.

76. (Currently Amended) ~~The apparatus of claim 59, wherein said first memory hardware component is a flash memory device~~ The apparatus of claim 88, wherein the read-only disk media capability includes:

a compact disk (CD) capability; or

a digital video disk (DVD) capability; or

both.

77. (Cancelled)

78. (Currently Amended) The apparatus of claim [[59]] 55, wherein said first memory hardware component [[is]] includes a random access memory (RAM) device.

79. (Currently Amended) The apparatus of claim [[59]] 55, wherein said second memory hardware component [[is]] includes a hard drive device.

80. (Currently Amended) The apparatus of claim [[59]] 55, wherein said second memory hardware component [[is]] includes a read-only ~~compact~~ disk drive capability ~~(CD-ROM) device~~.

81. (Currently Amended) ~~The apparatus of claim 59, wherein said second memory hardware component is a read-only digital video disk drive (DVD) device.~~ The apparatus of claim 80, wherein the read-only disk drive capability includes:

a compact disk (CD) capability; or

a digital video disk (DVD) capability; or

both.

82. (Currently Amended) The apparatus of claim 59, wherein said personal computer ~~includes a plurality of microprocessors~~ is directly connected wirelessly via a peer-to-peer relationship to at least one other said personal computer.

83. (Currently Amended) The apparatus of claim [[59]] 67, wherein said personal computer includes [[a]] at least one microchip with a plurality of microprocessors.

84. (Previously Presented) The apparatus of claim 59, wherein said personal computer is substantially contained in a respective single microchip.

85. (Currently Amended) The apparatus of claim [[59]] 84, wherein said ~~personal computer is substantially contained in a single respective microchip including a plurality of microprocessors~~ microchip includes at least one power management device.

86. (Previously Presented) The apparatus of claim 59, wherein said network of computers includes an Internet.

87. (Previously Presented) The apparatus of claim 59, wherein said network of computers includes a World Wide Web.

88. (Currently Amended) ~~The apparatus of claim 59, wherein said personal computer is an appliance with a microprocessor.~~ The apparatus of claim 55, wherein said second memory hardware component includes a read-only disk media capability.

89. (Currently Amended) The apparatus of claim [[59]] 52, wherein said personal computer includes ~~an~~ a direct optical fiber connection to said network.

90. (Currently Amended) The apparatus of claim [[83]] 59, wherein said microchip includes ~~an~~ a direct optical fiber connection to said network.

91. (Currently Amended) The apparatus of claim 84, wherein said microchip includes ~~an~~ a direct optical fiber connection to said network.

92. (Currently Amended) The apparatus of claim [[59]] 52, wherein said shared operation ~~is one of parallel processing or multitasking~~ includes:

parallel processing; or

multitasking; or

both.

93. (Currently Amended) The apparatus of claim 59, wherein at least one of said other ~~computer~~ computers and said personal computer are connected via a peer-to-peer relationship.

94. (Currently Amended) The apparatus of claim 59, wherein:

said personal computer ~~is an appliance with a microprocessor; and~~

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said appliance includes: one of a handheld personal digital assistant, a telephone, a pager, a television, a game, a videotape player/recorder, a video camera, a printer, a fax machine, and an automobile

at least one handheld personal digital assistant; or

at least one telephone; or

at least one pager; or

at least one television; or

at least one game; or

at least one videotape player/recorder; or

at least one video camera; or

at least one compact disk (CD) player/recorder; or

at least one digital video disk (DVD) player/recorder; or

at least one radio; or

at least one camera; or

at least one printer; or

at least one fax machine; or

at least one automobile; or

any combination of two or more thereof.

95. (Currently Amended) The apparatus of claim [[59]] 55, wherein a user of said personal computer retains is able to retain preemptive control of at least said second memory hardware component.

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96. (Currently Amended) The apparatus of claim 59, wherein a user of said personal computer ~~retains~~ is able to retain preemptive control of all components of said personal computer.

97. (Previously Presented) The apparatus of claim 59, wherein at least part of said personal computer is configured to function as a master in said shared operation.

98. (Previously Presented) The apparatus of claim 59, wherein at least part of said personal computer is configured to function as a slave in said shared operation.

99. (Currently Amended) The apparatus of claim [[59]] 55, wherein said second memory hardware component [[is]] includes volatile memory.

100. (Currently Amended) The apparatus of claim [[59]] 55, wherein said second memory hardware component [[is]] includes non-volatile memory.

101. (Currently Amended) The apparatus of claim [[59]] 55, wherein said second memory hardware component is a same type of hardware as said first memory hardware component, said type ~~being one of a flash memory device, a flash bios, a random access memory (RAM), a hard drive device, a read-only compact disk drive (CD-ROM), a read-only compact digital-video-disk (DVD) device, a volatile memory, a non-volatile memory, a read and write memory, and a read-only memory~~ including:

flash memory; or

flash bios; or

random access memory (RAM); or

hard drive capability; or

read-only disk media capability; or

read-only disk drive capability; or

read-only compact disk (CD-ROM) capability; or

read-only compact digital video disk (DVD) capability; or

volatile memory; or

non-volatile memory; or

read and write memory; or

read-only memory; or

any combination of two or more thereof.

102. (Currently Amended) The apparatus of claim [[59]] 55, wherein said first memory hardware component [[is]] includes read and write memory.

103. (Currently Amended) The apparatus of claim [[59]] 55, wherein said second first memory hardware component [[is]] includes read-only memory.

104. (Currently Amended) The apparatus of claim 59, wherein said personal computer is configured to communicate with said network through at least one a connection having a speed of data transmission that is greater than a peak data processing speed of said personal computer.

105. (Currently Amended) The apparatus of claim 59, wherein said personal computer is configured to communicate with said network through at least one a connection

having a speed of data transmission that is greater than a peak data processing speed of said at least one microprocessor.

106. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least four microprocessors.

107. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least eight microprocessors.

108. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 16 microprocessors.

109. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 32 microprocessors.

110. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 64 microprocessors.

111. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 128 microprocessors.

112. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 256 microprocessors.

113. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 512 microprocessors.

114. (Previously Presented) The apparatus of claim 59, wherein said personal computer includes at least 1024 microprocessors.

115. (Currently Amended) The apparatus of claim 59, wherein said ~~another~~ personal computer and said ~~personal~~ other computer are connected via a client/server relationship.

116. (Currently Amended) ~~A machine-readable medium having information recorded therein such that when said information is read and executed by a processor within a personal computer arranged to operate with other computers connected in a network, said processor is caused to:~~

~~perform a firewall function with said personal computer;~~

~~said firewall function being configured to deny access to at least a first memory hardware component of said personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network;~~

~~said firewall function being configured to allow access to at least a first memory hardware component of said personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network.~~ The apparatus of claim 59, wherein said personal computer includes at least one graphics device located on said microchip.

117. (Currently Amended) ~~The machine-readable function of claim 116, wherein:~~

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said firewall function being configured to deny access to a t least a first memory hardware component of said personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network; and

said firewall function being configured to allow access to a t least a first memory hardware component of said personal computer by at least one of said other computers during a shared operation involving said personal computer and said at least one of said other computers of said network. The apparatus of claim 59, wherein said personal computer includes:

at least one audio processing device located on said microchip; or

at least one video processing device located on said microchip; or

both.